

**WE CLAIM:**

1. A method of providing XML web services on an embedded device, comprising:

- 5           (a) providing a web server on said embedded device;  
            and  
            (b) installing a XML web services extension on said  
                web server;

            wherein, in response to said web server receiving an HTTP  
10     request combined with a Simple Object Access Protocol (SOAP)  
request from a web client, said SOAP request is forwarded by  
said web server to said XML web services extension where it  
is processed into a SOAP response and said SOAP response is  
combined with an HTTP response and returned by said web  
15     server to said web client.

2. The method according to claim 1, wherein said XML web  
services extension utilizes a code template and a set of  
libraries for interpreting SOAP requests.

20     3. The method according to claim 2, wherein said code  
template is customized for said embedded device.

4. The method according to claim 1, wherein said SOAP  
25     requests contain remote management instructions for said  
embedded device.

5. The method according to claim 1, wherein said XML web  
services extension can be remotely configured by said web  
30     client.

6. A method of using XML web services for communication between a web client and a web server, comprising:

- (a) transmitting from said web client to said web server an HTTP request combined with a Simple Object Access Protocol (SOAP) request;
- (b) receiving said HTTP request combined with said SOAP request on said web server, wherein said web server includes a XML web services extension and directing said SOAP request to said XML web services extension;
- (c) processing said SOAP request in said XML web services extension and sending a SOAP response to said web server; and
- (d) transmitting from said web server to said web client an HTTP response combined with the SOAP response;

wherein said web server is installed on an embedded device.

7. The method according to claim 6, wherein said XML web services extension utilizes a code template and a set of libraries for interpreting SOAP requests.

8. The method according to claim 7, wherein said code template is customized for said embedded device.

9. The method according to claim 6, wherein said SOAP request contains remote management instructions for said embedded device.

10. The method according to claim 6, wherein said XML web services extension can be remotely configured by said web client.

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11. A web server extension for providing XML web services on a web server, comprising:

(a) a code template; and

(b) a set of libraries for interpreting SOAP requests;

10 wherein said web server is integrated into an embedded device.

12. The web server extension according to claim 11, wherein said web server extension receives SOAP requests from said web server and transmits SOAP responses to said web server and said web server receives HTTP requests combined with SOAP requests and transmits HTTP responses combined with SOAP responses.

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13. The web server extension according to claim 11, wherein said code template is customized for said embedded device.

14. The web server extension according to claim 11, wherein said SOAP requests contain remote management instructions for said embedded device.

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15. A web server, comprising:

(a) a web server installed on an embedded device; and

(b) a XML web services extension installed on said web server capable of processing Simple Object Access Protocol (SOAP) requests;

wherein said web server is capable of receiving HTTP

5 requests combined with SOAP requests and transmitting HTTP responses combined with SOAP responses.

16. The web server according to claim 15, wherein said XML web services extension is comprised of a code template and a  
10 set of libraries for interpreting SOAP requests.

17. The web server according to claim 16, wherein said code template is customized for said embedded device.

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